1. OVERVIEW OF THE ANNUAL REPORT

1.1. INTRODUCTION

This Annual Report describes storm water pollution control activities implemented by MDOT over the past reporting period of July 1, 2003 to December 31, 2004 to comply with reporting requirements described in the National Pollutant Discharge Elimination System (NPDES) Permit (No. MI0057364, hereinafter referred to as the Permit). This Permit was issued by Michigan Department of Environmental Quality (MDEQ) to the Michigan Department of Transportation (MDOT) for MDOT-operated separate storm water drainage systems throughout the State of Michigan, effective April 1, 2004. The statewide permit supersedes individual storm water permits in the City of Ann Arbor (Permit No. MI0053911), the City of Grand Rapids (Permit No. MI0053937), the City of Flint (Permit No. MI0053929), and the City of Warren (Permit No. MI0053945), as well as the general permit for the City of Livonia (Certificate of Coverage No. MIG610043). The Permit will expire on April 1, 2009 and is expected to be reissued in five year cycles thereafter.

The Permit directs MDOT to develop and implement a comprehensive storm water management program designed to reduce the discharge of pollutants from the MDOT drainage systems to the maximum extent practicable (MEP), protect the designated uses of the waters of the state, increase awareness of storm water as a potential source of pollutants and satisfy the applicable state and federal water quality requirements.

The objectives for this report are as follows:

- To provide information regarding the development and implementation of storm water pollution prevention activities conducted in urbanized areas as well as statewide.
- To evaluate and assess the appropriateness and effectiveness of all parts of MDOT's Storm Water Management Program.
- To ensure that MDOT is in compliance with Permit conditions.
- To give updates on action items identified in the SWMP.
- To present information about new programs and procedures developed by MDOT.

1.2. ORGANIZATION OF THIS ANNUAL REPORT

This annual report provides information on work that has been performed by MDOT from July 1, 2003 to December 31, 2004, in fulfillment of the Permit and activities defined in the Task Matrix (Appendix A). The Task Matrix is a summary of activities/tasks conducted under Phase I that are continuing into Phase II. Completed work is summarized in Chapter 2 of this report for each Phase II SWMP activity as presented in MDOT's Phase II SWMP. For more details concerning MDOT's SWMP activities, refer to the MDOT Phase II SWMP.

Each SWMP activity supports one or more of the six minimum measures defined by the Permit. The minimum measures include the following:

- Education and outreach on storm water impacts- public education program (PEP)
- Public involvement/participation
- Illicit discharge elimination program (IDEP)
- Post construction storm water management program for new development and redevelopment projects
- Construction storm water runoff control
- Pollution prevention/good housekeeping for MDOT operations

For purposes of organization, activities associated with Education/Outreach and Public Involvement/Participation have been combined due to their similarities. Each activity is defined by the overall objective, timeframe for implementation, and interim milestones and measurable goals. The following descriptions refer to the elements making up the Phase II SWMP.

1.2.1. Public Education, Outreach, and Participation

Education/Outreach activities focus on educating the job-related and traveling public on storm water-related issues, such as watershed stewardship, pollution prevention measures and illicit discharge reporting. The information is dispersed through educational materials including newsletter articles, the MDOT Interchange (intranet), the MDOT Public Web Site and the MDOT library.

Like Education/Outreach activities, training activities strive to educate through active participation. They consist of formal and informal training sessions presented to the job-related public. These training sessions are currently being conducted with the support of individual storm water management training modules. The training modules and overall education, outreach, and participation plan element will be updated or expanded, as appropriate.

1.2.2. Illicit Discharge Elimination

Illicit Discharge Elimination Plan (IDEP) element activities address actions, including mapping, screening, and investigating MDOT's priority outfalls or point source discharges within urbanized areas of Michigan. The term 'outfall' is synonymous with the term 'point source discharge' (PSD) and will be used throughout the remainder of the SWMP. Activities in support of this plan element include priority screening and investigations at those locations where MDOT roadways cross impaired water bodies as required by the Permit.

1.2.3. Post Construction Storm Water Management for New Development and Redevelopment Projects

Activities in support of this plan element begin far in advance of actual projects with the careful consideration of new sources of storm water entering the MDOT drainage system; coordination with Municipal Planning Organizations (MPO) that have Storm Water Quality Control Programs; and cooperation with MDEQ to address storm water issues.

1.2.4. Construction Storm Water Runoff Control

This plan element is fully implemented for MDOT's transportation-related construction and reconstruction projects, and is documented by the current Drainage Manual and the Soil Erosion and Sedimentation Control program. Activities in support of this plan element will include maximizing opportunities to enhance the current best management practices.

1.2.5. Pollution Prevention/Good Housekeeping for MDOT

Activities in support of this plan element focus primarily on enhancing current activities with the ultimate goal of preventing or reducing pollutant runoff from MDOT operations and properties. Many of these management practices have been in place at MDOT for many years and are described in facility Pollution Incident Prevention Plans, procedures manuals, and guides maintained by the Maintenance Support Area and the Construction & Technology Support Area.

1.3. MDOT STAFF RESPONSIBILITIES FOR STORM WATER MANAGEMENT

The overall goal of the storm water management program at MDOT is to ensure that pollutants in discharges from municipal separate storm sewer systems owned or operated by the Department are reduced to the MEP. Responsibility for meeting this overall goal rests with the MDOT Environmental Committee.

The Environmental Committee is MDOT's principal body for approving statewide guidance on environmental issues, actions and related matters. The Environmental Committee's mission is to ensure that MDOT complies with environmental laws in a focused, effective fashion and to foster an environmental ethic throughout the Department. As necessary, the Environmental Committee will take policy and technical issues impacting transportation engineering to the MDOT Engineering Operations Committee for discussion and action. Environmental technical teams have been established by focus area, to provide environmental analysis and to recommend a course of action for Environmental Committee consideration. The Municipal Separate Storm Sewer System (MS4) Team, chaired by the Operations Environmental Stewardship Engineer, is one such technical team. The Operations Environmental Stewardship Engineer functions as the Department's environmental advocate for all highway operations, serves as a member of the Environmental Committee, and is the liaison between all environmental technical teams and the Environmental Committee. Additionally, the Operations Environmental Stewardship Engineer is the project manager for the storm water management program. This position became effective in September of 2004.

The MS4 Team provides continuing oversight for the storm water program and participates in the annual analysis of program effectiveness and continued enhancement to the program. The MS4 Team consists of members from MDOT region offices and the central office, representing all major operational and planning groups within the Department. This team provides technical input for MDOT storm water management issues, while the Region Storm Water Coordinators serve as educators and resources to their region. The MS4 Team makeup is shown in Table 1-1, and the current membership is posted on the MDOT Storm Water Management Web site (http://www.michigan.gov/stormwatermgt).

Table 1-1: MDOT MS4 Team Representation

Title or Position	Section or Unit	Organization
Storm Water Program Manager	Highways- Delivery	Bureau of Operations
Environmental Policy Coordinator	Policy	Bureau of Planning
Environmental Clearance (Aquatics)	Environmental Section	Bureau of Planning
Drainage Design Specialist	Design	Operations, Development
Grading and Drainage Engineer	Construction & Technology	Operations, Delivery
Maintenance	Maintenance	Operations, Delivery
Real Estate Permit Coordinator	Real Estate	Operations, Development
Storm Water Coordinator	- - -	Representing Each Region

1.4. PROGRAM ASSESSMENT AND REPORTING

This section describes the details that are required by the Permit in each Annual Report. These reports are due on or before April 1 of each year and are submitted to MDEQ.

Best Management Practices

A description of each BMP, hereinafter referred to as activity, is included in Chapter 2 of this annual report. The activities include those already implemented, as identified in the Task Matrix, and those proposed for each of the minimum measures.

Measurable Goals and Interim Milestones

Each activity in Chapter 2 of this report has a final measurable goal and may also have interim milestones to aid in tracking progress toward the final measurable goal. A description of the measurable goals and interim milestones is included with the activity descriptions in Chapter 2.

Compliance Assessment

During this reporting period, MDOT made extensive progress toward implementing their storm water management program. MDOT has developed and submitted a Storm Water Management Plan (SWMP) to comply with Phase II storm water permit requirements and also continued implementation of the Phase I activities as follows:

- Educated the job-related public about watershed stewardship and IDEP procedures;
- Developed storm water education materials for their tap-in/discharge permitting process;
- Sought public input on the MDOT Phase II SWMP;
- Developed a process to cooperate with MPO storm water planning;
- Developed an IDEP Fieldwork Plan to begin investigations at 305(b)-listed water body crossings;
- Developed a process to respond to illicit discharge reports;
- Have a legal process in place to prohibit discharges;
- Developed a process to permanently label MDOT outfalls;
- Continued implementation of Pollution Incident Prevention Plans (PIPP) at MDOT facilities conducting vehicle maintenance ativities;

- Continued implementation of pesticide applicator certification training and complied with fertilizer application practices;
- Designated Region Storm Water Coordinators as contacts; and
- Continued emergency and non-emergency notification to MDEQ concerning non-compliance discharges.

These activities are further described within the activity descriptions in Chapter 2 of the report.

MDOT also complies with the permit on a site-to-site basis. As an Authorized Public Agency (APA), MDOT maintains a pre-approved state-wide soil erosion and sedimentation control (SESC) plan that is applied to all projects to ensure compliance with all applicable and relevant SESC requirements.

Revised Fiscal Analysis

No revisions were made to the fiscal analysis for this reporting period.

Upcoming Activities

Chapter 2 contains information detailing upcoming activities for MDOT's SWMP. The following information is a summary of MDOT's upcoming activities.

MDOT has a variety of storm water educational activities that will be implemented during the next reporting period. The MDOT Web page will continue to be promoted and updated with new information, including the SWMP and this Annual Report. Watershed organizations will be informed of the posting on the Web site. Articles will be published in MDOT newsletters and other circulations reaching contract counties. Training sessions using training modules will also continue to keep MDOT employees informed of existing and new storm water programs.

The MS4 team will continue to have progress meetings. Appropriate MDOT employees not on the MS4 Team and members of other committees with whom MDOT will be coordinating efforts will be invited as necessary throughout the year.

MDOT's Drainage Manual provides MDOT designers and consultants with policies and procedures for designing drainage facilities that comply with MDOT's Storm Water Management BMPs. This Manual is in electronic format on the MDOT Public Storm Water Web site.

MDOT will continue to track and work towards eliminating illicit connections as they are identified during the IDEP process or through reports over the course of the next reporting period.

Reported non-compliance issues related to construction storm water runoff will be examined and corrected. MDOT's SESC Manual contains information that addresses the reporting of these issues.

Over the next reporting period the existing operation and maintenance program, fleet maintenance program, and pesticide and fertilizer program will be continued. All flow control

structures and structural BMPs that are planned to be constructed over the next five-year planning period will be identified. New outfalls will be labeled as part of the construction process.

Annual Budget

Table 1-2 provides a summary of the past annual expenditures and estimated expenditures for fiscal year 2005. The fiscal year is from October 1st through September 30th of each year. Finalized budget information is also provided for FY 2003 and FY 2004. Financial information is provided for all ongoing MS4 work in the state. The FY 2005 estimated budget will be updated in the next Annual Report.

Table 1-2 Annual Expenditure and Budget

Fiscal Year	**Annual Expenditure**
FY 1999	$142,111
FY 2000	$1,017,346
FY 2001	$764,142
FY 2002	$638,881
FY 2003	$508,123
FY 2004	$395,837
FY 2005 (estimated budget)	$700,000